

MONTANA PLANT DISTRIBUTION RECORDS

W. E. BOOTH AND J. C. WRIGHT

NEW distribution records of the state flora in the Montana State College Herbarium have appeared during the past few years. It is interesting to note that about half of these new records were established from the examination of plants which were sent to the Herbarium for identification.

A recently adopted College policy directs that all plants sent to the College be sent to the Herbarium. The plants are processed at the Herbarium, and information regarding their identification is supplied the various specialists for their use in replying to the inquiries accompanying the plants. In former years, inquiries regarding plants were answered by the individuals who received them, but no permanent records were kept. Valuable records and much useful information has been compiled as a result of having all plants and questions regarding them referred to the Herbarium.

Among the new distribution records are these:

AGROPYRON TRITICEUM Gaertn. Collected by J. C. Wright in Park County, Montana, Yellowstone National Park winter game range; present in crested wheatgrass meadow. June 23, 1952.

Another specimen was collected by George York from the same area July 8, 1952. The grass was mature at this time, and a small amount of seed was collected.

ARTEMISIA LONGIFOLIA Nutt. Collected by Karl Parker 30 miles southwest of Shelby, Toole County, Montana. 1952.

Another specimen was examined from Circle, McCone County, Montana in August 1951. The plant was submitted by L. P. Cade, but was not retained in the Herbarium as a specimen.

ASTER FRONDOSUS (Nutt.) T.&G. Plants submitted as weeds from Ronan, Lake County, Montana. A sizeable patch in field. August 25, 1952.

ATRIPLEX TRUNCATA (Torr.) Gray. Collected by W. E. Booth about 4 miles west of Red Rock Pass, southeastern Beaverhead County, Montana. Abundant locally in small denuded area; alkaline soil. August 21, 1952.

BROMUS SQUARROSUS L. Collected by George York about 4 miles west of Ashland, Rosebud County, Montana; open grass type; several plants. June 15, 1950.

BROMUS TRINII Desv. Collected by F. Markiniat on Moose Creek in the Gallatin Canyon, Gallatin County, Montana. This specimen was collected in 1927 and misnamed *B. squarrosus* L.

CALAMAGROSTIS SCOPULORUM M. E. Jones. Collected by G. F. Payne near junction of Lightning and Taylor Fork creeks in Gallatin County, Montana. Eroded mountain slope at about 8500 feet altitude. Plant may possibly be valuable in revegetation of eroded mountain slopes. July, 1950.

CALLITRICHE HETEROPHYLLA Pursh. Collected by Richard H. Smith, in area 5 McCone County, Montana; R 49E T24N Sec. 26. Very common in the upper half of the reservoir and out to a depth of 2 feet. August, 1951.

CAREX VALLICOLA Dewey. Collected by W. E. Booth, identified by F. J. Hermann, Specimen Creek Campgrounds about 50 miles south of Bozeman, Gallatin County, Montana. Rocky, moist, grass-sedge type; July 5, 1952.

CENTAUREA DIFFUSA Lam. Submitted as a weed specimen from Superior, Mineral County, Montana. Coming into area, growing along with *C. maculata* on hillsides and along roads. August, 1951.

A second specimen was collected by J. C. Wright in Sweetgrass County, Montana, 5 miles east of Park County line on Highway 10. Overgrazed pasture; gravelly loam; August 11, 1952.

CHORISPORA TENELLA DC. Plant submitted by M. T. Hedegaard, Extension County Agent, as a possible weed for identification. Lake County, Montana; August, 1951.

Plants were also submitted from Miles City, Custer County, Montana where they were thought to have originated from the planting of crested wheatgrass seed in 1950. Plants were examined that were collected on the fairgrounds at Great Falls, Cascade County, Montana, May 15, 1950.

CIRSIUM CANESCENS Nutt. Collected by H. E. Morris and identified by X. M. Gaines of Washington State College. About one mile north of Huntley, Yellowstone County, Montana. Small patch along a fence row beside road. August, 1951.

DIANTHUS ARMERIA L. Collected by J. C. Wright 5 miles west of Plains, Sanders County, Montana. Ponderosa pine forest; July 18, 1952.

EUPATORIUM MACULATUM L. Collected by H. E. Morris along Pryor Creek in Bighorn County, Montana. Moist creek bottom, fairly abundant locally in ditch. July 29, 1952.

FILAGO ARVENSIS L. Collected by J. C. Wright 5 miles west of Plains, Sanders County, Montana. Overgrazed pasture. July 18, 1952. Additional specimens were received from W. W. Mauritson, County Agent from Kalispell, Montana. November 15, 1952.

HAPLOPAPPUS MULTICAULIS (Nutt.) Gray. Collected by W. E. Booth 20 miles north of Alzada, Carter County, Montana. Common and often abundant on rocky outcrops or in sandy areas in pasture where grass is sparse. July 19, 1948.

HAPLOPAPPUS NANUS (Nutt.) D. C. Eat. Collected by W. E. Booth near Red Rock Lake, Beaverhead County, Montana. Dry slope along south side of lake; sagebrush type; plant growing out of sterile rock outcrop. August 23, 1952.

JUNIPERUS UTAHENSIS (Engelm.) Lemm. Collected by E. C. Moran along highway south from Bridger, Carbon County, Montana, lower hills of Pryor Mountains; January 16, 1953.

MATRICARIA MARITIMA L. Submitted for identification by Kim Roberts, Extension County Agent, Thompson Falls, Sanders County, Montana. Growing under wide range of both soil and moisture conditions; common throughout County on abandoned fields and range land. September 8, 1952.

SANGUISORBA OCCIDENTALIS Nutt. Plants received for identification from C. W. Roath, Extension County Agent, Lake County, Montana. Idle land and roadsides; seems to be increasing. June 1948. Two specimens were submitted as weeds for identification since that time, July 6 and July 10, 1951 from Missoula and Mineral Counties.

SILENE CSEREI Baumg. Collected by F. B. Cotner and W. E. Booth 2 miles west of Ingomar, Rosebud County, Montana. A few plants were found along road in moist soil. June 20, 1951.

SYMPHYTUM ASPERUM Lepechin. Collected by John Hurst, Jr. at the home of Mrs. P. T. McCarthy, 521 Daly Avenue, Missoula, Montana. September 1, 1949.

ZIZIA APTERA (Gray) Fern. Collected by W. E. Booth 15 miles north of Alzada, Carter County, Montana. Few plants in grassland. June 19, 1948.

THE DISCOVERY AND DESTRUCTION OF *CALLICARPA AMERICANA* IN MISSOURI

JULIAN A. STEYERMARK

THE French Mulberry or Beauty-berry (*Callicarpa americana* L.), one of the most beautiful of native American shrubs, had never been found in a wild state in Missouri. E. J. Palmer, Bush, Letterman, Eggert, and Kellogg were well acquainted with it in Arkansas, where they had collected it from various localities, many of them near the Arkansas-Missouri border, but, although they looked for it in adjacent southern Missouri, none succeeded in locating a Missouri station. Reports of its occurrence in the state crept into the literature; for example, it was reported in Tracy's Catalogue of the Missouri plants in 1886 on p. 66 from Miller County as collected by Winick, but these reports proved to be based upon misidentifications. In Dr. Moldenke's Monograph of the genus *Callicarpa* (Rep. Sp. 39: 307. 1936), the Missouri records are likewise shown to be based upon unauthenticated reports.